## IN THE CLAIMS:

Please cancel Claim 33 without prejudice or disclaimer of subject matter.

Please amend the remaining claims as indicated below.

- 1. (Currently Amended) A movable-body apparatus comprising:
- a first support member;
- a movable body having top and bottom planar surfaces;

elastic supporting means having a twisting longitudinal axis, said elastic supporting means supporting said movable body flexibly and rotatably about the twisting longitudinal axis relative to said first support member; and

driving means for tilting which tilt said movable body in a tilting direction about the twisting longitudinal axis, said driving means including a stationary portion provided apart from said movable body, and a moving core formed of a magnetic material, provided on a portion said bottom planar surface of said movable body,

wherein said stationary portion and said moving core have <u>faces</u> opposed to each other in a <u>planar</u> direction <u>perpendicular to the tilting direction</u> <u>of said movable body</u>, and wherein a superimposed area exists between a part of the face of said stationary portion and a part of the face of said moving core where a size of the superimposed area is changed when said movable body is tilted <u>when viewed from said planar direction of said movable</u> body and said superimposed area also exists directly below said bottom planar surface of said movable body.

- 2. (Original) The movable-body apparatus of claim 1, wherein said stationary portion of said driving means includes a stationary core formed of a soft magnetic material and a coil wound on said stationary core.
- 3. (Currently Amended) The movable-body apparatus of claim 1, wherein said elastic supporting means includes a pair of torsion springs disposed along the twisting longitudinal axis opposingly with said movable body being interposed.
- 4. (Currently Amended) The movable body apparatus of claim 2, wherein said faces of said moving core and said stationary core have faces are opposed to each other in an approximately parallel relationship with a spacing being interposed between said opposed faces of said moving core and said stationary core, respectively, said faces are shifted from each other in a direction perpendicular to the tilting direction, and said faces are arranged such that a superimposing area between said faces viewed from a direction perpendicular to said faces can be changed as said movable body is tilted.
- 5. (Original) The movable-body apparatus of claim 4, wherein said moving core and said stationary core constitute a serial magnetic circuit through said spacing.

- 6. (Withdrawn) The movable-body apparatus of claim 1, wherein said moving core is provided on a side of a side surface of said movable body parallel to and remote from the twisting longitudinal axis.
- 7. (Withdrawn) The movable-body apparatus of claim 6, wherein said moving core is provided on said side surface of said movable body.
- 8. (Withdrawn, Currently Amended) The movable-body apparatus of claim 2, wherein said stationary core have has opposite end faces with said moving core being interposed between said opposite end faces.
- 9 (Currently Amended) The movable-body apparatus of claim 2, wherein said stationary core <u>have has</u> opposite end faces lying on a common plane and opposed to said face of said moving core.
- 10. (Original) The movable-body apparatus of claim 1, wherein said moving core is provided on an edge portion of said movable body extending parallel to the twisting longitudinal axis.
- 11. (Withdrawn) The movable-body apparatus of claim 1, wherein said moving core is provided on an edge portion of said movable body extending perpendicularly to the twisting longitudinal axis.

- 12. (Withdrawn) The movable-body apparatus of claim 1, wherein said moving core is provided on a protruding portion of said movable body extending perpendicularly to the twisting longitudinal axis.
- 13. (Original) The movable-body apparatus of claim 2, wherein said moving core is provided on each edge portion of said movable body about the twisting longitudinal axis, said stationary core with said coil wound thereon is provided on each side of the twisting longitudinal axis, and said moving core and said stationary core constitutes a serial magnetic circuit on each side of the twisting longitudinal axis.
- 14. (Withdrawn) The movable-body apparatus of claim 2, wherein said moving core is provided on one edge portion of said movable body, said stationary core with said coil wound thereon is provided on one side of the twisting longitudinal axis, and said moving core and said stationary core constitutes a serial magnetic circuit on said one side of the twisting longitudinal axis.
- 15. (Withdrawn, Currently Amended) The movable-body apparatus of claim 2, wherein said elastic supporting means includes two sets of paired springs which are capable of torsional and flexure vibrations, whose longitudinal axes are orthogonal to each other and which elastically support said movable body in a two-dimensional torsional manner, four moving cores are provided on said movable body in a crisscross pattern extending in directions shifted by 45 degrees from each adjacent longitudinal axis of said

paired springs, and four stationary cores with said coils are provided such that each corresponding moving core and stationary core constitute a serial magnetic circuit.

- 16. (Original) The movable-body apparatus of claim 2, further comprising a second support member for supporting said stationary core, and a spacer support member for bonding said first support member and said second support member to each other in a predetermined relationship with said spacer support member being interposed.
- 17. (Currently Amended) The movable-body apparatus of claim 1, wherein at least one of said elastic supporting means and said movable body is formed of a single crystal silicon.
- 18 (Original) The movable-body apparatus of claim 1, wherein said moving core is formed of a ferromagnetic material.
- 19. (Original) The movable-body apparatus of claim 1, wherein said moving core is formed of a hard magnetic material.
- 20. (Original) The movable-body apparatus of claim 1, wherein said moving core is formed of an alloy including iron and nickel.

- 21. (Currently Amended) The movable-body apparatus of claim 1, wherein said moving core, said elastic supporting means, and said first support member are integrally formed in a common substrate.
- 22. (Withdrawn) The movable-body apparatus of claim 1, wherein said stationary portion of said driving means includes a stationary core fixed to said first support member, and a coil wound on said stationary core.
- 23. (Withdrawn) The movable-body apparatus of claim 2, wherein each of said stationary core and said moving core includes a comb-shaped portion, and said comb-shaped portions of said stationary core and said moving core are arranged in a meshing manner with spacing being interposed between said comb-shaped portions.
- 24. (Withdrawn, Currently Amended) The movable-body apparatus of claim 1, wherein said frame member includes an inner frame member and an outer frame member, said movable body includes an inner movable body and an outer movable body which is said inner frame member for supporting said inner movable body through first elastic supporting means and is supported by said outer frame member through second elastic supporting means, said inner movable body is supported flexibly and rotatably about a first twisting longitudinal axis of said first elastic supporting means, and said outer movable body is supported flexibly and rotatably about a second twisting longitudinal axis of said elastic second supporting means.

- 25 (Withdrawn) The movable-body apparatus of claim 24, wherein the twisting longitudinal axes extend forming an angle of 90 degrees.
- 26. (Original) The movable-body apparatus of claim 1, further comprising a light deflecting element provided on said movable body, and wherein said movable-body apparatus is constructed as an optical deflector.
- 27. (Original) The movable-body apparatus of claim 26, wherein said light deflecting element is a light reflective surface.
- 28. (Original) The movable-body apparatus of claim 26, wherein said light deflecting element is a diffraction grating.
- 29. (Original) The movable-body apparatus of claim 26, wherein said light deflecting element is a lens.
- 30 (Original) The movable-body apparatus of claim 1, wherein said movable-body apparatus is constructed as an actuator for actuating said movable body.
  - 31. (Withdrawn, Currently Amended) A scanning type display comprising:
  - (a) a modulatable light source;
  - (b) an optical deflector including:

a support member;

a movable body having top and bottom planar surfaces;

elastic supporting means having a twisting longitudinal axis, said elastic supporting means supporting said movable body flexibly and rotatably about the twisting longitudinal axis relative to said support member;

driving means for tilting which tilt said movable body about the twisting longitudinal axis, said driving means including a stationary portion provided apart from said movable body, and a moving core formed of a magnetic material, provided on—a portion said bottom planar surface of said movable body, and having a face opposed to said stationary portion wherein said stationary portion and said moving core have faces opposed to each other in a planar direction of said movable body, and wherein a superimposed area exists between a part of the face of said stationary portion and a part of the face of said moving core where a size of te superimposed area is changed when said movable body is tilted when viewed from said planar direction of said movable body and said superimposed area also exists directly below said bottom planar surface of said movable body; and

light deflecting means for deflecting a beam of light impinging on said movable body from said light source, said light deflecting means being provided on said movable body;

(c) a display screen on which the beam of light from said deflecting means is projected; and

- (d) control means for controlling modulation of said modulatable light source and operation of said movable body of said optical deflector in an interlocking manner.
- 32. (Withdrawn, Currently Amended) An image forming apparatus comprising:
  - (a) a modulatable light source;
  - (b) an optical deflector including:
  - a support member;
  - a movable body having top and bottom planar surfaces;

elastic supporting means having a twisting longitudinal axis, said elastic supporting means supporting said movable body flexibly and rotatably about the twisting longitudinal axis relative to said support member;

driving means for tilting which tilts said movable body about the twisting longitudinal axis, said driving means including a stationary portion provided apart from said movable body, and a moving core formed of a magnetic material, provided on a portion said bottom planar surface of said movable body, and having a face opposed to said stationary portion wherein said stationary portion and said moving core have faces opposed to each other in a planar direction of said movable body, and wherein a superimposed area exists between a part of the face of said stationary portion and a part of the face of said moving core where a size of te superimposed area is changed when said movable body is

tilted when viewed from said planar direction of said movable body and said superimposed area also exists directly below said bottom planar surface of said movable body; and

light deflecting means for deflecting a beam of light impinging on said movable body from said light source, said light deflecting means being provided on said movable body; and

- (c) an image forming surface on which the beam of light from said deflecting means is projected; and
- (d) control means for controlling modulation of said modulatable light source and operation of said movable body of said optical deflector in an interlocking manner.
  - 33. (Cancelled).
- 34. (Withdrawn, Currently Amended) A movable-body apparatus comprising:

a support member;

a movable body having top and bottom planar surfaces;

elastic supporting means having a twisting longitudinal axis, said elastic supporting means supporting said movable body flexibly and rotatably about the twisting longitudinal axis relative to said support member; and

driving means for tilting which tilt said movable body about the twisting longitudinal axis, said driving means including a stationary core formed of a soft magnetic

material with a coil wound on said stationary core and provided apart from said movable body, and a moving core formed of a magnetic material and provided on a side of a side said bottom planar surface of said movable body;

wherein said stationary portion and said moving core have faces opposed to each other in a planar direction of said movable body, and wherein a superimposed area exists between a part of the face of said stationary portion and a part of the face of said moving core where a size of te superimposed area is changed when said movable body is tilted when viewed from said planar direction of said movable body and said superimposed area also exists directly below said bottom planar surface of said movable body.

35 to 45. (Canceled)